

FT-MB164-DC Installation Guide

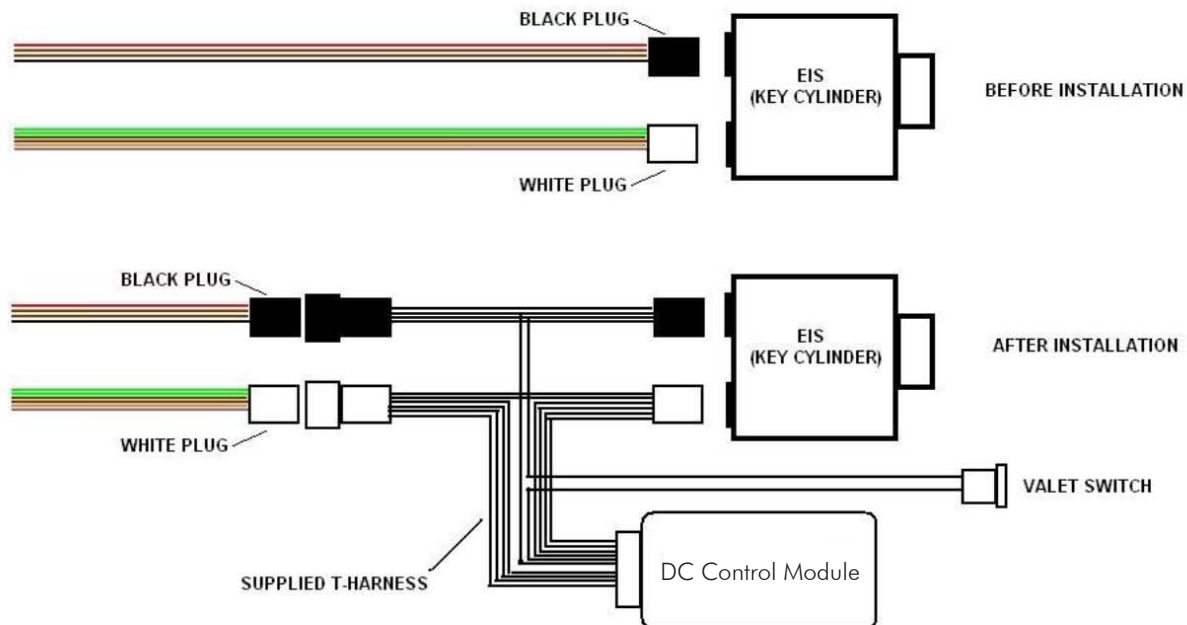
Welcome to the installation guide for the 2006 to 2009 ML, GL, and R Class Mercedes Benz. Please thoroughly review this manual before installation as there are details that are essential to operation of the vehicle. Please don't forget to review the installation manual included with the DC unit.

This manual is intended for experienced installers. Firstech recommends professional installation as we are not responsible for improper use and/or installation. For questions please call 888-820-3690 Monday through Friday 8 am to 5 pm PST.

Required Parts and Tools

- T-20 Torx Driver
- Panel Removal Tool
- Drill
- 3/4" Drill Bit

Wiring Overview



Instructions

1. Remove the HVAC panel by pulling outward to release the lower clips. (pic 1)
2. Pull down on the panel to release the upper clips. (pic 2)
3. Remove the panel and place it to the left being careful not to scratch the console or the wood grain front. For an R class, (pic 3) insert a panel tool on the left and right upper edges of the HVAC panel and release the clips, then remove the panel by pulling out the top first then pulling up on the entire panel to release the lower clips.
4. Locate and remove (2) T-20 screws from the aluminum bars showing just below the radio. (pic 4)
5. Slide the bars downward until they stop. These are the radio retaining bars. (pic 5)
6. Slide the COMAND unit out from the dash to access the wiring behind. (pic 6)
7. Disconnect all wiring from the rear of the COMAND unit and place it in a safe place where it cannot be damaged while you're working on the vehicle.
8. Let the vehicle sit for 2 minutes with the doors open to allow the CAN network to shut completely down before going any further.
9. Reach through the radio cavity and locate the rear of the EIS module. The EIS is the key switch.
10. Release (2) connectors from the EIS and pull the harness out through the radio opening for easy access. It is important that you disconnect the lower (black) plug first. (pic 7)
11. Make sure the Valet switch is off or disconnected. (pic 8)
12. Plug the (2) male ends from the T-Harness that match the plugs you just removed into the rear of the EIS module. (pic 9)
13. Plug the connectors into the Mercedes DC control module.
14. Plug the (2) female connectors from the control module into the factory wiring you accessed in step 9. It is important that you plug the white connector in first. (pic 10)
15. Once ALL connections are secured, turn on the valet switch and verify the LEDs visible inside the Mercedes DC are flashing.
16. Start the vehicle with the key or with the push button to verify your work. If the vehicle starts and runs, you've made all the connections correctly.
17. Shut the vehicle off.
18. Push the 'Panic' button once on the factory remote to test the remote start.
19. Once you are satisfied with its operation, shut the remote start off by pushing the 'Panic' button once.
20. Unlock the vehicle with the remote after shutdown
21. Locate a place to secure the control module in the dash cavity.
22. Secure the module in its final location.
23. Locate a place for the valet override switch. Recommended locations are the left wall of the glove compartment or the driver's underdash panel.
24. Drill a 3/4" hole in the desired location.
25. Route the wires for the valet switch through hole for the control module.
26. Plug the Valet switch in. Make sure the spade connectors are fully installed on the switch.

27. Reinstall the COMAND by first plugging in all harnesses and antenna connections that you removed in step 7.
28. Slide the COMAND back into its opening.
29. Push up on the radio retaining bars to secure the radio.
30. Reinstall the (2) T-20 screws to secure the radio retention bars.
31. Confirm the proper operation of the COMAND unit.
32. Reinstall the HVAC panel by inserting the top edge of the panel just below the face of the COMAND unit.
33. Push the bottom edge of the HVAC panel toward the dash.
34. Pull downward to confirm its proper location. If done properly, the upper edge will catch on its retainer and will not allow it to move downward.
35. Align the opening in the HVAC panel with the slide out drawer at the bottom and provide gentle pressure to snap the bottom edge into place.

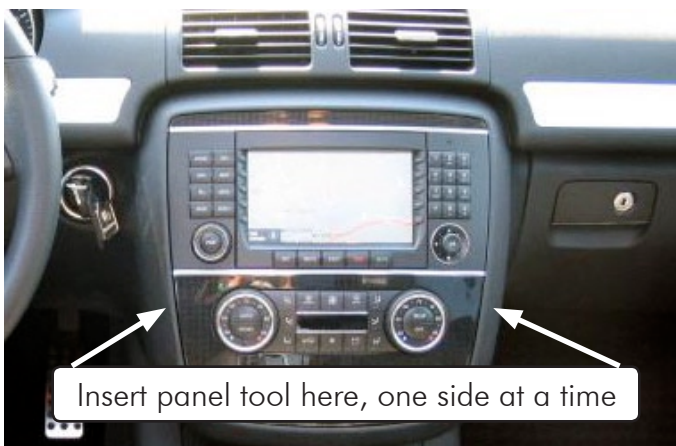
Installation Images



1) Pull out on bottom of HVAC panel



2) Pull down on HVAC panel



3) R class panel removal



4) Remove T-20 screws

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5) Pull down on retaining bars



6) Remove and disconnect COMAND unit



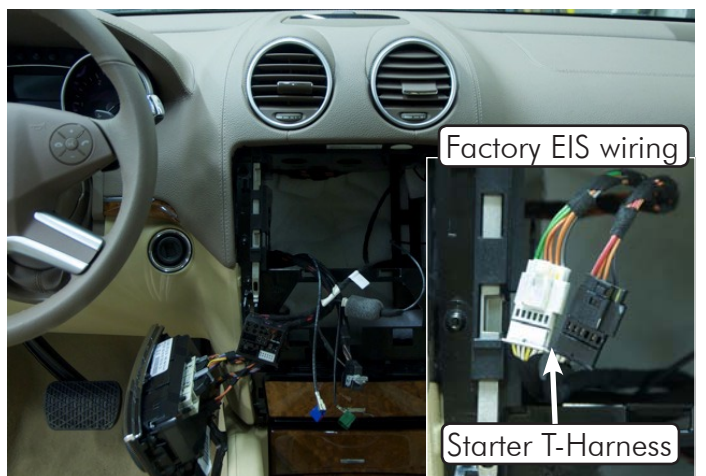
7) Access EIS wiring through opening



8) Make sure the valet switch is off



9) Plug the harness into the rear of the EIS



10) Connect the factory wires to the T-Harness

Installation Complete

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